

RITIKA RANA

Software Development Engineer

perfectritika411@gmail.com | 8917413235 | Dwarka Sector-16 C, New Delhi , India

Linkedin | **LeetCode** | **GitHub**

EDUCATION

University School Of Information,Communication And Technology-GGSIPU

Master Of Computer Applications -MCA(SE)

Sept 2022 - Sept 2024

CGPA: 7.2

Chandigarh University

Computer Applications -BCA

Punjab , India

August 2019 - June 2022

CGPA: 7.89

Dalmia Vidya Mandir

Degree in Commerce with Maths

Odisha, India

April 2018 - March 2019

Percentage: 69%%

Kendriya Vidyalaya

April 2016 - March 2017

Kolkata , West Bengal

CGPA: 8.0

EXPERIENCE

ACM | Full-Stack developer

New Delhi, India | December 2022 - Present

- Revamping ACM Website
- Building Chatbot for the website
- working in teams of 3 to 5 members
- Designing UI of the website

Placement Coordinator

New Delhi, India | Sept 2022 - Present

- Working with the Calling team of Training and Placement Cell, USICT, main campus, GGSIPU .
I invite HR's to our campus.
- Working with the **Design team** to create media and design elements for the organization.

SKILLS

Programming Languages: C, C++, Java, Python
Libraries/Frameworks: React.js, Bootstrap, Flexbox
Tools / Platforms: VS Code, Microsoft Word, Git/ Github
Databases: MySQL, MongoDB

PROJECTS / OPEN-SOURCE

Portfolio Website

Html, Css, Javascript

1. **Clean HTML Structure:**
 - Construct a well-organized HTML layout for your portfolio, including sections for bio, projects, skills, and contact information.
2. **Stylish CSS Design:**
 - Apply a modern and visually appealing CSS style to create an aesthetically pleasing presentation, utilizing responsive design for different screen sizes.
3. **Interactive JavaScript Elements:**
 - Integrate JavaScript for interactive features such as a dynamic navigation menu, image sliders, and smooth scrolling for enhanced user engagement.
4. **Project Showcase:**
 - Showcase your projects with clear descriptions, images, and links to demonstrate your skills and expertise in an engaging manner.
5. **Contact Form:**
 - Implement a functional contact form for potential employers or collaborators to easily reach out, enhancing the accessibility of your portfolio.

Tree Visualizer | [Link](#)

Html, Css, Javascript , Backtracking

1. HTML Structure:

- Create an HTML document with a container to represent the tree structure visually.

2. CSS Styling:

- Apply CSS styles to define the appearance of tree nodes, lines, and overall layout for clarity.

3. JavaScript Backtracking:

- Implement a backtracking algorithm in JavaScript to dynamically generate and traverse the tree structure.

4. Real-time DOM Updates:

- Update the DOM in real-time as the backtracking algorithm progresses, ensuring the visualization reflects the tree's current state.

5. Position-based Styling:

- Enhance visual clarity by using CSS to style nodes based on their position in the tree, providing a clear representation of the hierarchy.

CRUD Web-Application | [Link](#)

Html, Css, Javascript , React + Redux, Node, Express, MongoDB

The App is called **Memories** and it is a simple social media MERN application that allows users to post interesting events that happened in their lives.

React + Redux Frontend:

Develop a dynamic user interface with React and Redux for efficient state management in a single-page application.

Node + Express Backend:

Create a robust backend using Node.js and Express to handle RESTful API requests for CRUD operations.

MongoDB Database:

Utilize MongoDB as the database to store and retrieve data, ensuring scalability and flexibility in managing application information.

RESTful API Endpoints:

Implement RESTful API endpoints to enable communication between the React frontend and MongoDB backend for seamless data flow.

Full Stack CRUD Functionality:

Combine these technologies to achieve a full-stack CRUD (Create, Read, Update, Delete) web application, allowing users to interact with and manipulate data in real-time

CERTIFICATIONS

- DSA with Java - Apna College.
- C++ - IIT Bombay.
- C - IIT Bombay.

HONORS & AWARDS

Awarded Scholarship worth INR 40,000

Awarded 3rd Prize (Mini Vlog) in University Level Competition

Class Representative (2019-2022)